27-12-01

FFW

DATE MAILED: July 9, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Rong-Chang Liang

Appl. No.: 10/660,381

Filed: September 10, 2003

For: AN IMPROVED ELECTROCHROMIC

OR ELECTRODEPOSITION DISPLAY AND NOVE L PROCESS FOR THEIR

MANUFACTURE

Art Unit: 2873

Confirmation No. 6021

Examiner: Not Yet Assigned

Atty. Docket: 07783.0080.NPUS00

Information Disclosure Statement

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will consider information that had been cited by or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. § 120. 1138 OG 37, 38 (May 19, 1992).

Applicants have checked the appropriate boxes below.

- 1. This Information Disclosure Statement is being filed;
 - □ a. Within three months of the U.S. filing date of a national application other than a continued prosecution application under §1.53(d);
 - □ b. Within three months of the date of entry of the national stage as set forth in §1.491 in an international application;
 - c. Before the mailing date of a first Office Action on the merits;
 - □ d. Before the mailing of a first Office Action after filing of a request for continued examination under § 1.115.

No statement under 37 C.F.R. § 1.97(e) or fee is required.

or;

- □ 2. This Information Disclosure Statement is being filed after the period specified in paragraph 1(a)-1(d) above, but before the mailing date of a Final Rejection or Notice of Allowance, or action that otherwise closes prosecution in the application, and
 - □ a. I hereby state that each item of information contained in this Information

 Disclosure Statement was first cited in any communication from a

 foreign patent office in a counterpart foreign application not more
 than three months prior to the filing of this Information Disclosure

 Statement. 37 C.F.R. § 1.97(e)(1), or

	□ b.	I hereby state that no item of information in this Information Disclosure
		Statement was cited in a communication from a foreign patent
		office in a counterpart foreign application, and, to my knowledge
		after making reasonable inquiry, no item of information contained
		in this Information Disclosure Statement was known to any
		individual designated in 37 C.F.R. § 1.56(c) more than three
		months prior to the filing of this Information Disclosure Statement.
		37 C.F.R. § 1.97(e)(2), or
	□ c.	Attached is our Check No in the amount of \$ in
		payment of the fee under 37 C.F.R. § 1.17(p).
□ 3.	This I	information Disclosure Statement is being filed more than three months after
		the U.S. filing date and after the mailing date of a Final Rejection or
		Notice of Allowance, but on or before payment of the Issue Fee. Attached
		is our Check No in the amount of \$ in payment of the
		fee under 37 C.F.R. § 1.17(i), and
	□ a.	I hereby state that each item of information contained in this Information
		Disclosure Statement was first cited in any communication from a
		foreign patent office in a counterpart foreign application not more
		than three months prior to the filing of this Information Disclosure
		Statement. 37 C.F.R. § 1.97(e)(1), or
	□ b.	I hereby state that no item of information in this Information Disclosure
		Statement was cited in a communication from a foreign patent
		office in a counterpart foreign application, and, to my knowledge
		after making reasonable inquiry, no item of information contained
		in this Information Disclosure Statement was known to any
		individual designated in 37 C.F.R. § 1.56(c) more than three
		months prior to the filing of this Information Disclosure Statement.
		37 C.F.R. § 1.97(e)(2).
□ 4.	Relev	ance of the non-English language document(s) is discussed in the present

specification.

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 Appl. No. 10/660,381

□ 5.	The document(s) was/were cited in a corresponding foreign application. An			
	English language version of the foreign search report is attached for the			
	Examiner's information.			
□ 6.	A concise explanation of the relevance of the non-English language document(s)			
	appears below:			
□ 7. The Examiner's attention is directed to co-pending U.S. Patent Appl				
	, filed, which is directed to related technical subject			
	matter. The identification of this U.S. Patent Application is not to be			
	construed as a waiver of secrecy as to that application now or upon			
	issuance of the present application as a patent. The Examiner is			
	respectfully requested to consider the cited application and the art cited			
	therein during examination.			
□ 8.	Copies of the documents were cited by or submitted to the Office in Application			
	No, filed, which is relied upon for an earlier			
	filing date under 35 U.S.C. § 120. Thus, copies of these documents are			
	not attached. 37 C.F.R. § 1.98(d).			
	It is respectfully requested that the Examiner initial and return a copy of the			
enclose	ed PTO-1449, and to indicate in the official file wrapper of this patent application			
that the	e documents have been considered.			
	The U.S. Patent and Trademark Office is hereby authorized to charge any fee			
deficie	ncy, or credit any overpayment, to our Deposit Account No. 08-3038 referencing			
docket	number 07783.0080.NPUS00.			
	Respectfully submitted,			
	127 \ 0			
Date:	July 9, 2004 Viola T. Kung (Reg. No. 41,131)			
	REY SIMON ARNOLD & WHITE, LLP avenswood Avenue			
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Menlo	Park, CA 94025			

(650) 463-8181



INFORMATION DISCLOSURE CITATION

PTO-1449

ATTY. DOCKET NO. SERIAL NO. 07783.0080.NPUS00 10/660,381

APPLICANT : Liang, R.C.

FILING DATE GROUP

9/10/2003 2873

		U.S. PA	ATENT DOCUMENTS	<u> </u>	· · · ·	
EX'R INITIAL	PATENT NO.	DATE MM-YYYY	NAME	CLASS	SUBCLASS	FILING DATE
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	5,764,401	06-1998	Udaka, et al			
`	5,847,860	12-1998	Hougham, et al			
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	10/618,257 (2004-0085619)	07-2003 (05-2004)	Wu, et al						
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EX'R	PATENT NO.	DATE		CLASS	CLIDCLACC	TRANS	SLATION		
INITIAL	PATENT NO.	MM-YYYY	COUNTRY	CLASS	SUBCLASS	YES	NO		
	JP 59 219723	12-1984	Japan						
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	International Search Report	06-2004	wo						
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		ach, U., et al., "Nanomaterials-Based Electrochromics for Paper-Quality Displays", 2002, in Adv. ater., <u>14</u> , pp 845-848. <i>•</i>							
	Cummins, et al., "Ultrafast Electrochromic Windows Based on Redox-Chromophore Modified Nanostructured Semiconducting and Conductin Films", 2000, in J. Phys. Chem. B, <u>104</u> , pp 11449-11459.								
	Chen, S.M. (2003, July) The Applications for the Revolutionary Electronic Paper Technology. <i>OPTO News & Letters</i> , 102, 37-41. (in Chinese, English abstract attached, full translation available upon request)								
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	Harvey, T.G., "Replication Techniques for Micro-Optics", 1997, SPIE Proc., Vol 3099, 76-82.								
	Liang, R.C., Hou, J., Chung, J., Wang, X., Pereira, C., & Chen, Y. (2003). Microcup(R) Active and Passive Matrix Electrophoretic Displays by A Roll-to-Roll Manufacturing Processes. <i>SID Digest</i> , 20.1.								
	Lee, H., & Liang, R.C. (2003, June) SiPix Microcup(R) Electronic Paper – An Introduction. Advanced Display, 3, 4-9 (in Chinese, English abstract attached, full translation available upon request)								
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EXAMINER	: DATE CONSIDERED:
<u> </u>	
	Processes. The Spectrum, 16(2), 16-21.
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	Liang, R.C., Hou, J., & Zang, H.M. (2002, December) Microcup Electrophoretic Displays by Roll-to-Roll Manufacturing Processes. <i>IDW</i> , EP2-2, 1337-1340.
	Liang, R.C. (2003, February) <i>Microcup(R) Electrophoretic and Liquid Crystal Displays by Roll-to-Roll Manufacturing Processes</i> . Presentation conducted at the Flexible Microelectronics & Displays Conference of U.S. Display Consortium, Phoenix, Arizona, USA.
	Liang, R.C., & Tseng, S. (2003, February). <i>Microcup(R) LCD, An New Type of Dispersed LCD by A Roll-to-Roll Manufacturing Process</i> . Paper presented at the IDMC, Taipei, Taiwan.
	Liang, R.C., Hou, J., Zang, H.M., & Chung, J. (2003, February). Passive Matrix Microcup(R) Electrophoretic Displays. Paper presented at the IDMC, Taipei, Taiwan.

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

*If an asterisk is placed beside the reference number, a copy is not provided because the reference was previously cited by or submitted to the PTO in a prior application that is identical in the statement and relied upon for an earlier filing date under 35 U.S.C. §120. 37 C.F.R. §1.98 (d).